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Figure(s) to accompany abstract

ABSTRACT

Recovery of Precious Metals from
Acid Solutions by Electroactive Polymers

The process for the recovery of precious metals from acid solutions by electroactive polymers is spontaneous and self-sustained and enables a precious metal such as gold to be recovered from an acid solution containing the metal in solution. The said acid solution is treated with an electroactive polymer such as polyaniline to cause reduction of the metal in solution to the free metal and allowing the free metal to precipitate from the solution and accumulate as the reduction progresses.